Title (en)
METHOD FOR REMOVING MIXED AIR IN COATING LIQUID AND APPARATUS THEREFOR

Title (de)
VERFAHREN ZUR ENTFERNUNG VON IN BESCHICHTUNGSFLÜSSIGKEIT EINGEMISCHTER LUFT UND VORRICHTUNG DAFÜR

Title (fr)
PROCEDE D'ELIMINATION DE L'AIR MELANGE A UN LIQUIDE DE REVETEMENT ET APPAREIL POUR CE FAIRE

Publication
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Application
EP 06812105 A 20061016

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Abstract (en)
[origin: EP1938906A1] The present invention has as an object to render a photochromic coating layer free from air bubbles and obtain a uniform layer without film thickness unevenness in the coating layer. In the prevent invention, entrained air in a coating fluid stored in a vessel of a coating unit comprising the vessel, a check valve for preventing back-flow of the coating fluid connected to the vessel, and optionally an ejection nozzle connected to the check valve; air existing inside of the check valve; and optionally air existing inside of the ejection nozzle are removed by plugging an outlet of the coating fluid existing downstream of the check valve and then rotating the coating unit on an axis of the vessel and orbiting the coating unit on a revolution axis simultaneously.

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• [Y] JP 2002096021 A 20020402 - MATSUSHITA ELECTRIC IND CO LTD
• [Y] JP H08112559 A 19960507 - ABB RANSBURG KK
• [A] JP 2003290642 A 20031014 - THINKY CORP
• See references of WO 2007046511A1

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EP 1938906 A1 20080702; EP 1938906 A4 20120111; EP 1938906 B1 20161207; AU 2006305141 A1 20070426; AU 2006305141 B2 20100708; BR PI0617657 A2 20160823; CN 101291741 A 20081022; CN 101291741 B 20111116; JP 4916448 B2 20120411; JP WO2007046511 A1 20090423; US 2009229465 A1 20090917; US 2012325090 A1 20121227; US 9132365 B2 20150915; WO 2007046511 A1 20070426

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